



#### ABSTRACT OF THE DISCLOSURE

A heat-transmitting plate member has a pair of  
5 heat-transmitting plates. Each of the plates is made from a resin  
material. The heat-transmitting plate member has an inner  
passage through which inner fluid flows and a tank portion  
communicating with the inner passage. The tank portion has a  
thickness thicker than that of a portion corresponding to the  
10 inner passage in the heat-transmitting plate member, so that  
desired heat-exchange characteristic at the inner passage can be  
obtained while desired ability to withstand pressure at the tank  
portion is obtained.